

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. Contract ID Code Firm-Fixed-Price		Page 1 Of 19																									
2. Amendment/Modification No. 0003		3. Effective Date 2003MAY02		4. Requisition/Purchase Req No. SEE SCHEDULE		5. Project No. (If applicable)																									
6. Issued By TACOM AMSTA-AQ-ATBD JOE TARNOWIECKI (586)574-8839 WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: TARNOWIJ@TACOM.ARMY.MIL		Code W56HZV		7. Administered By (If other than Item 6) <div style="display: flex; justify-content: space-around;">SCDPASADP PT</div>																											
8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)				<input checked="" type="checkbox"/> 9A. Amendment Of Solicitation No. DAAE07-03-R-S001																											
				<input type="checkbox"/> 9B. Dated (See Item 11) 2003MAR19																											
				<input type="checkbox"/> 10A. Modification Of Contract/Order No.																											
				<input type="checkbox"/> 10B. Dated (See Item 13)																											
Code		Facility Code																													
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS																															
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning <u>2 signed</u> copies of the amendments: (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.																															
12. Accounting And Appropriation Data (If required)																															
13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS It Modifies The Contract/Order No. As Described In Item 14.																															
<input type="checkbox"/> A. This Change Order is Issued Pursuant To: The Changes Set Forth In Item 14 Are Made In The Contract/Order No. In Item 10A.																															
<input type="checkbox"/> B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).																															
<input type="checkbox"/> C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of:																															
<input type="checkbox"/> D. Other (Specify type of modification and authority)																															
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the Issuing Office.																															
14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)																															
SEE SECOND PAGE FOR DESCRIPTION																															
<p>Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="4">15A. Name And Title Of Signer (Type or print)</td> <td colspan="4">16A. Name And Title Of Contracting Officer (Type or print)</td> </tr> <tr> <td colspan="2">15B. Contractor/Offeror</td> <td colspan="2">15C. Date Signed</td> <td colspan="2">16B. United States Of America</td> <td colspan="2">16C. Date Signed</td> </tr> <tr> <td colspan="2">(Signature of person authorized to sign)</td> <td colspan="2"></td> <td colspan="2">By _____ /SIGNED/</td> <td colspan="2">(Signature of Contracting Officer)</td> </tr> </table>								15A. Name And Title Of Signer (Type or print)				16A. Name And Title Of Contracting Officer (Type or print)				15B. Contractor/Offeror		15C. Date Signed		16B. United States Of America		16C. Date Signed		(Signature of person authorized to sign)				By _____ /SIGNED/		(Signature of Contracting Officer)	
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(Signature of person authorized to sign)				By _____ /SIGNED/		(Signature of Contracting Officer)																									
NSN 7540-01-152-8070 PREVIOUS EDITIONS UNUSABLE				30-105-02		STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243																									

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SECTION A - SUPPLEMENTAL INFORMATION

THE PURPOSE OF THIS AMENDMENT 0003 IS TO MAKE ONE CORRECTION TO THE CHANGES ISSUED IN AMENDMENT 0002 AND ONE ADDITIONAL CHANGE.

THE CHANGE IS TO THE REFERENCE IN FAR CLAUSE 52.246-2. THE REFERENCE TO "PADDS Clause" IS DELETED.

THE CORRECTION IS TO DELINEATE A CHANGE IN PURCHASE DESCRIPTION SECTION 3.25.11. THIS WAS CHANGED IN THE PURCHASE DESCRIPTION ISSUED WITH THE AMENDMENT, BUT THE CHANGE WAS NOT ENUMERATED IN THE NARRATIVE THAT DELINEATED THE CHANGES IN AMENDMENT 0002. THE SECOND SENTENCE IN THIS PARAGRAPH IS CHANGED TO READ AS FOLLOWS: "Also ISO locks (Ref. Peck & Hale, F804-1-3 or equivalent) for centering a 20-foot ISO container on the center of the platform are to be provided."

*** END OF NARRATIVE A 003 ***

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SECTION I - CONTRACT CLAUSES

34 ADDITIONAL REQUIREMENTS

M872A4 SEMITRAILER
DESCRIPTION/SPECIFICATION INDEX

CLAUSE	CDRL	CLAUSE TITLE
C.1	NA	Vehicle Description
C.2	NA	General Requirements
C.3	A001	Engineering Change Proposal (ECP) - Contractor Requested
C.4	NA	Engineering Drawings and Drawing Government Directed
C.5	A002	Special Packaging Instructions
C.6	NA	Safety Engineering
C.7	A003	Safety Assessment Report (SAR)
C.8	NA	Environmental Engineering
C.9	NA	Vehicle System Kits
C.10	NA	Integrated Logistics Support (ILS) Program
C.11	A004	Logistics Management Information LMI) Summaries/Supportability Analysis Summaries (SAS) Maintenance Planning/Repair Analysis, (Maintenance Analysis)
C.12	A005	Logistics Management Information LMI) Maintenance Allocation Chart (MAC)
C.13	A006	Logistics Management Information Summaries/System Support Package (SSP)
C.14	NA	Provisioning Program
C.15	A007	Logistics Management Information (LMI) Data Products/Provisioning Provisioning Parts List (PPL)
C.15	A008	LMI Summaries
C.15(b)		LMI Data Products Pre-procurement Screening
C.16	A009	Logistics Management Information Data products/Supplementary Provisioning Technical Documentation (SPTD) Drawings)
C.17	A010	Special Equipment Tools and Test Equipment List/Tools and Test Equipment List (TTEL)
C.18	A011	Logistics Management Information Summaries/Design Change Notice (DCN)
C.19	A012	Provisioning Parts List Index (PPLI)
C.20	NA	Next Higher Assembly PLISNs and Overhaul Quantities
C.21	NA	Contractor On-line Access
C.22	NA	Publications Program/Technical Manuals A013 -Technical Manuals/Electronic Technical Manual (ETM)
C.23	NA	Technical Manual Validation
C.24	A014	Commercial Off the Shelf Manuals COTS)/Interim Commercial Technical Manuals

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C.25	NA	Contractor Technical Assistance A015 - Contract Field Service Report
C.26	NA	Quality Program
C.27	NA	In-Process Inspection
C.28	NA	Inspection Equipment
C.29	NA	Inspection Records
C.30	NA	Drawing for Inspection
C.31	NA	Shakedown Test
C.32	NA	First Production Vehicle Inspection (FPVI)
C.33	NA	Vehicle Restoration
C.34	A016	Failure Analysis and Corrective Action Report (FACAR)
C.35	NA	Welding Requirements
C.36	NA	Counterfeit Parts
C.37	NA	Start of Work (SOW) Meeting
C.38	NA	Maintenance, Provisioning and Publication (MPP) Reviews
C.39	NA	Formal Program Status Reviews
C.40	A017	Conference Agenda
C.41	A018	Conference Minutes
C.42	N/A	Equipment Control Record, DA Form 2408-9
C.43	A019	Logistics Management Information Summaries/Warranty Performance Report
C.44	A020	Transportability Report
C.45	A021	Air Transportability Report
C.45	N/A	Independent Testing of Bulkhead

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DESCRIPTION/SPECIFICATION

VEHICLES AND REQUIREMENTS

C.1 Vehicle Description

The M872A4 Semitrailer is a dual purpose, break bulk/container transporter, 34-ton, flatbed. The prime mover is M915 Series truck tractor. The M872A4 is equipped with an anti-lock braking system with PLC4, radial tires, 12/24 volt electrical receptacles, LED lighting, hub odometer, removable bulk head, and a huck bolt on bolster plate.

C.2 General Requirements

- a. The contractor shall deliver vehicles in accordance with the following:

<u>Vehicle Model</u>	<u>TACOM Purchase Description</u>	<u>Quantity</u>
M872A4 Semitrailer	ATPD No. 2332 dated 7 Feb 2003	3 PVT 1 FPVI 1 Shakedown

b. The contractor shall produce and deliver in accordance with the delivery schedule and the corresponding data requirements set forth in the Contract Data Requirements List (CDRL) DD form 1423, Attachment 002. The Army Purchase Description (ATPD 2332), Attachment 001 of this contract shall apply to all M872A4 Semitrailers manufactured by the contractor. Attachment 003, Vehicle Data Sheet shall apply to paragraph C.45 of this DESCRIPTION/SPECIFICATION. Attachment 004, LMI Data shall apply to paragraph C.38 of this DESCRIPTION/SPECIFICATION.

c. The contractor shall prepare the data item submittals as described in the Data Item Descriptions and the Contract Data Requirements Lists. The following references are shown after the title of the clause for each data item when applicable:

- (1) Data Item Description (DID) number from Attachment 002 Contract Data Requirements List (CDRL)
- (2) Contract Line Item Number (CLIN)
- (3) Exhibit Line Item Number (ELIN) and the Contract Data Requirements List (CDRL)

d. Data Items shall be submitted in a mutually selected electronic format and software version. Any one of the following forms may be used.

(1) The government will establish a M872A4 unique portal in Army Knowledge Online (AKO). AKO is a world-wide web accessible system with capabilities for controlling levels of access. The government will sponsor contractor access to the M872A4 portal to allow exchange of data files between designated government personnel and the contractor.

- (2) E-Mail.
- (3) The contractor may establish a world wide web site and allow certain government representatives access to it.
- (4) The contractor may mail Disks, CD ROM, or any other mutually accepted electronic media.

CONFIGURATION MANAGEMENT AND DRAWINGS

C.3 Engineering Change Proposal (ECP) - Changes Against Level 2 Drawings - Contractor Requested
(DI-CMAN-80639C - CDRL A001)

a. Requirement for Submittal. After the government provides Production Configuration approval based on the completion of PVT, the contractor shall submit an Engineering Change Proposal for any configuration change to the approved baseline for the M872A4 Semitrailer which impact form, fit, or function. However, this also includes changes required to correct deficiencies discovered during the Production Verification Test (PVT) and subsequent changes identified after production start to the end of production.

b. Government Review and Approval The government's approval does not constitute final acceptance of the change. The government may require the contractor to perform additional tests to verify acceptability of any changes the contractor proposes and the government has approved. The government will determine the extent of testing up to and including a complete First Article Test (FAT).

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The government may require additional Environmental Stress Screening (ESS) testing. The contractor will perform the tests at no additional cost to the government. The government will disapprove changes that will have an unacceptable adverse effect on performance, reliability, maintainability or repair. The Procuring Contracting Officer will notify the contractor of the government's approval of the changes and issue a modification to the contract to incorporate them.

c. Responsibility for Failure Due to Changes The government's approval of the contractor's changes does not relieve the contractor from its responsibility to furnish all items in conformance with the contract performance requirements. The contractor shall accept full responsibility for any failure in the operation of the equipment that renders the vehicle Not Operational Ready as a result of changes the government approves.

d. Responsibility for Cost of Changes

(1) The government shall not be responsible for additional costs to the vehicles, testing or software associated with any changes the contractor submits and the government approves.

(2) When a change results in reduced costs to the contractor, the government may obtain an equitable reduction in contract price. The contractor must certify cost impacts and the government may conduct post-changes approval audits.

(3) The government will reduce the contract amount for costs the government incurs due to the contractor's failure to inform us of the changes in a timely manner. These costs include, but are not limited to, replacement costs of obsolete parts and costs for technical manual changes.

(4) The government will not be liable for any cost the contractor incurs, due to delay in contract performance, as a result of any of the contractor requests for change.

e. Class II Engineering Changes

(1) The contractor shall submit Class II changes to the Administrative Contracting Officer within 5 days of determining the need for a change. The government will review these changes and the Administrative Contracting Officer will notify the contractor of the government's concurrence or non-concurrence of the proposed classification.

f. Class I Engineering Changes:

(1) The contractor shall submit their Engineering Change Proposal immediately upon determining the need for the change. The Engineering Change Proposal package must include sufficient information to allow the government to clearly understand the proposed change impact on the configuration item. Each ECP submittal shall include an impact statement addressing all Integrated Logistics Support, MANPRINT, and transportability requirements.

C.4. Engineering Change Proposal (ECP) - Changes Against Level 2 Drawings - Government Directed
(DI-CMAN-80639C - CDRL A001)

If the government wants to change the vehicle configuration, the Procuring Contracting Officer will notify you by a request for technical and price proposal which the contractor shall furnish at no cost. The contractor shall submit an Engineering Change Proposal that includes sufficient information for the government review of Data Delivery Description (DDD) requirements. The contractor's ECP submittal shall include an impact statement addressing all Integrated Logistics Support, MANPRINT, and transportability requirements together with certified cost and pricing data.

C.5 Special Packaging Instructions
(DI-PACK-80121B - CDRL A002)

a. The contractor shall provide initial requirements and updates to the M872A4 Semitrailer Shipment & Storage (S&S) instructions.

b. Vehicles will be shipped in a drive-on, drive-off configuration, unless otherwise specified.

c. All M872A4 Semitrailers are subject to requirements of Code of Federal Regulation Title 49, for truck and rail transport, International Maritime Dangerous Goods Code, for vessel transport, and AFJMAN 24-204, for Military air. The contractor shall include disassembly procedures to meet requirements for the applicable mode. Overseas shipments require some disassembly to minimize shipped tons costs. Instructions shall reflect all special requirements.

d. The contractor shall include packaging instructions for the Basic Issue Items (BII) and Components Of the End Item (COEI). The BII shall be packed separately from the COEI. These items shall be placed into an acceptable wood container in accordance with Table C.II of MIL-STD-2073-1C.

e. The contractor shall include figures showing the stowage location and security provisions for the BII and COEI. The

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stowage method and locations shall deter pilferage and shall not interfere with lifting, tie down or other transportation handling requirements.

f. The contractor shall provide revisions to the S&S Instructions for each design change affecting the vehicle's shipping configuration, weight, or transportability. The contractor shall also provide revisions to the S&S Instructions for each logistics change affecting packaging instructions for BII or COEI. When specified, the contractor shall update S&S Instructions to support improvements in vehicle processing methodology.

g. The contractor shall validate S&S Instructions. Validation for S&S Instructions shall verify the adequacy of the preservation, packaging, packing and stowage of BII/COEI, the preservation procedures for shipment and storage, and the exercising requirements for vehicles in long term storage. A government representative will verify and witness the contractor's validation.

SAFETY AND ENVIRONMENTAL

C.6 Safety Engineering The contractor shall consider and implement safety engineering principles in the system design. System design and operational procedures that the contractor shall consider includes, but is not limited to the following:

- a. Identifying hazards associated with the system by conducting safety analyses and hazard evaluations. Analysis shall include both operational and maintenance aspects of the vehicle along with potential interface problems with planned subsystems.
- b. Eliminating or reducing significant hazards by appropriate design or material selection.
- c. Controlling or minimizing hazards to personnel which cannot be avoided or eliminated.
- d. Locating equipment components and controls so that access to them by personnel during operation, maintenance or adjustments shall not require exposure to hazards. Examples of hazards to be considered include: high temperatures, chemical burns, electrical shock, cutting edges, or sharp points. All moving parts and pneumatic components which are of such a nature or so located as to be a hazard to operating or maintenance personnel shall either be enclosed or guarded. Protective devices shall not impair operational functions.

C.7 Safety Assessment Report (SAR)
(DI-SAFT-80102A - CDRL A003)

- a. As a result of the safety analyses, hazard evaluations, and any independent contractor testing, the contractor shall perform and document a safety assessment. The safety assessment shall identify all safety features of the hardware, software, system design as well as any inherent hazards. The assessment will also outline any operations and maintenance procedures needed by the test agencies and the system user.
- b. In the event the system is modified or procedural changes made after the final SAR is submitted, The contractor shall update the SAR to reflect those modifications or changes.

C.8 Environmental Engineering The contractor shall use non-hazardous materials to the maximum extent practicable in the manufacture the M872A4 Semitrailer and shall ensure that all materials used support the intended use of the vehicles are non-hazardous. All materials and coatings used to enhance the performance of the vehicles should be non-hazardous and degrade over time, or should not have any negative effect on the environment after disposal.

KITS AND SUPPORT DATA

C.9 Vehicle System Kits
(CLINS 0003, 0004, 0005, 0006, 0007, 0008)

- a. The contractor shall provide one each of the following kits to Yuma Proving Grounds:
 - (1) M872A4 Side Racks Kit
 - (2) M872A4 Tarpaulin Kit
- b. Provisioning of kits The contractor shall provision all kits specified above in accordance with provisions in Sections C.15 and C.16.
- c. Production semitrailers may be equipped with or without kits, depending upon the Government's requirements. Quantities the government may require will be specified at the time of Delivery Order issuance in accordance with the appropriate CLIN(s). No more than one type of each kit ordered shall be shipped with a semitrailer. The kits shall be secured as described for COEI in paragraph C.5.
- d. The contractor shall be responsible for shipping the Vehicle System Kit (CLIN 0003) from the test site to the

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contractor's facility for repair and reconditioning/restoration to a like new condition or replacement.

INTEGRATED LOGISTICS SUPPORT (ILS)

C.10 Integrated Logistics Support (ILS) Program

a. The ILS program described in the following paragraphs sets forth the contractor's work efforts required to develop, test, produce and deliver the logistics requirements to support the M872A4 Semitrailer. All guidance material referenced throughout this scope of work and CDRLs may be obtained upon request of the ACO.

b. The contractor is responsible for planning, managing and ensuring ILS considerations are an integral part of the overall system. The contractor shall provide logistic management support that includes: Logistics Documentation, Program Configuration, Quality Management, Testing, Integrated Logistics Support, Maintenance Planning Analysis, Supply Support, Provisioning, Technical Publications, Support of Test Equipment and Operations and Maintenance Training.

C.11 Logistics Management Information Summaries/Supportability Analysis Summaries (SAS), Maintenance Planning/Repair Analysis and Maintenance Analysis
(DI-ALSS-81529 - CDRL A004) For guidance see LSA Task Analysis and LSA Task 401.

a. The contractor shall conduct maintenance analysis on the vehicles, assemblies, sub-assemblies, spare parts, kits and identify the tools to define optimal maintenance activities that fully support the M872A4 Semitrailer maintenance concept. This analysis shall be the basis for the development of Technical Manuals, Preventive Maintenance Checks and Services (PMCS), Maintenance Allocation Chart (MAC), Lubrication Instructions and Repair Parts and Special Tools List (RPSTL).

b. The contractor shall brief the maintenance analysis procedures and strategy they intend to employ at the Maintenance, Provisioning and Publications (MPP) Review guidance conference. This meeting will be conducted in conjunction with the ILS SOW Meeting. Updates to any analysis procedures and strategy shall be briefed at each subsequent MPP and Program Review(s).

C.12 Maintenance Allocation Chart (MAC)
(DI-ALSS-81529- CDRL A005) Use of LSA 004, 020 and 030 Reports are acceptable for all items during MPP reviews.

The Maintenance Allocation Chart and the Tools and Test Equipment Requirements shall be employed to satisfy automated MAC delivery requirements.

C.13 Logistics Management Information Summaries/System Support Package(SSP)
(DI-ALSS-81529 - CDRL A006) For guidance see DI-ILSS-80532.

a. The System Support Package is a prepositioned composite package of support resources that is used for test site support at Yuma Proving Ground (YPG), AZ and technical manual verification, when specified by paragraph C.23. All items that comprise an SSP shall be the same configuration and source used on the production vehicles.

b. The contractor shall prepare and provide an SSP List, which lists all system support requirements for each test or technical manual verification/LOGDEMO site in support of the M872A4 Semitrailer.

c. The contractor shall assemble, furnish, pack and ship the SSP to the designated site(s). The SSP and SSP list shall consist of, as a minimum, the following:

- (1) Spare parts All SSPs shall contain a sufficient amount of repair parts to meet the requirements arising from predicted failures, scheduled maintenance, mandatory replacement items and items that are most likely to be consumed or broken during any disassembly or assembly process (such as seals and gaskets) as a result of anticipated wear out to support the test requirements.
- (2) Common and Special Tools, Test Measurement and Diagnostic Equipment (TMDE) The SSP list shall include all common and special tools, tool kits, equipment and TMDE identified in the Army Supply Catalogs required in support of the M872A4 Semitrailer. These items shall be identified but need not be physically present in the SSP. Any tool or TMDE required to perform maintenance and any diagnostic maintenance procedures, to include any vendor or manufacturer software programs and/or hardware, that are not identified in the Army Supply Catalogs shall be identified on the SSP List and be physically present in the SSP. All tools & TMDE not listed in the Army Supply Catalogs shall be identified as Special Tools.
- (3) Equipment Publications The most recent Commercial Equipment Publications IAW C.24 shall be identified on the SSP list and be included in the SSP provided to all test or Technical Manual (TM) Verification sites. When changes and updates are made to any publication during testing or TM Verification/LOGDEMO, the contractor shall provide them to TACOM, AMSTA-LC-CHHM, for approval and forwarding to the appropriate site(s).
- (4) Basic Issue Items (BII) and Components of the End Item (COEI) BII as required by the specification and BII/COEI as

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required by the contractor's design shall be identified on the SSP list as well as included in the SSP.

(5) Expendables Supplies Expendable supplies such as oils and lubricants shall be identified on the SSP list. Only unique products, not military standard, shall be included in the SSP.

(6) Anti-lock Braking System (ABS) Diagnostic Kit The contractor shall provide one diagnostic kit (if applicable), complete with DOS or Windows 95 compatible software and necessary hardware to retrieve data applicable to electronically controlled subsystems which feature diagnostic fault codes or data storage. Circuit and connector technology shall be provided in accordance with the vehicle's Purchase Description (Attachment 001). The vehicle connectors shall be compatible with the latest standard Army laptop computer-based test equipment.

C.14 Provisioning Program

a. The provisioning program for the M872A4 Semitrailer requires the contractor to develop and maintain a data base that will provide the government with data IAW Attachment 004, Logistic Management Information (LMI) Data Product Delivery. The provisioning program creates the Provisioning Master Record (PMR) which is stored on the government data base. It contains all data for the assemblies, sub-assemblies, spare parts and kits to include Components of the End Item (COEI), Basic Issue Items (BII), Additional Authorized Items (AAL) and Special Tools required to support the M872A4 Semitrailer. A drawing shall support each new item being provisioned.

b. Provisioning Contract Control Numbers (PCCN) The PCCNs for the M872A4 Semitrailer is C885AA. Each vehicle variant is assigned its own unique Provisioning Control Code (PCC)/Use on Code (UOC) is 2A4.

If the government determines that additional PCC/UICs are required, they will be provided.

c. Provisioning Schedule and Reviews The contractor shall provide a provisioning performance schedule at the Start of Work meeting IAW Attachment 004, Provisioning Requirements Statement. This schedule shall provide an estimate of the number of items to be provisioned and the number of conferences that will be required. The maximum number of items at any 40 hour Maintenance, Provisioning and Publications (MPP) Review shall be 1500 line items.

d. The government's acceptance of provisioning data delivered under the provisions of this contract will be based upon the guidance contained in the Quality Assurance Provisioning Guidance Book (QAPG). The QAPG book will be provided upon request.

C.15 Logistics Management Information (LMI) Data Products/Provisioning Parts List (PPL)
(DI- ALSS-81529, Attachment E - CDRL A007) For guidance see MIL-STD-1388-2B, LSA-036 summary)

a. The contractor shall maintain provisioning data for M872A4 Semitrailer using the PCCN of C885AA in the Provisioning Master Record (PMR). After the M872A4 Semitrailer PMR is established, The contractor shall add or change data to include the most recent production configurations, Engineering Change Proposals (ECPs) and parts information changes. The contractor shall prepare and deliver a LMI data product. The contractor may use PPL-LSA-036 Report format for all items during MPP reviews.

b. Logistics Management Information Summaries/Pre-Procurement Screening
(DI-ALSS-81529, CDRL - A008) For guidance see DI-V-7016F.

The contractor shall conduct pre-procurement screening for all items to be provisioned. Drawings are not required for items accompanied by a copy of pre-procurement screening which indicates the item has a valid National Stock Number (NSN).

c. The contractor shall have at each MPP Review the following:

- (1) Two hard copies of the contractor's LMI Data Product. LSA-036 Summary (PPL) format are acceptable.
- (2) One drawing for each part listed on the LMI Data Product Report that does not have an NSN.
- (3) A copy of the contractor's Pre-Procurement screening

d. The contractor shall insure that all submitted LMI Data Products are compatible with our Commodity Command Standard System (CCSS)/Provisioning On Line System (POLS), ADMS-18-LEA-JBE-ZZZ-UM-06. The data shall be capable of being loaded into our PMR without any modification to the data. As necessary, the government will discuss the various methods the contractor can use to deliver provisioning data.

e. The contractor shall correct rejects within 30 days after the government notifies the contractor of noted problems. The corrections shall be made by either:

- (1) Magnetic tape/disc with accompanying LMI Data, (LSA 036 Report acceptable)

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(2) By Modem access to the Provisioning On-Line System (POLS) (This access will be at the Contractors expense).

If submitted by option 1. above the data shall be IAW Attachment 004, Media Format Delivery for all LMI Data Products. If the contractor chooses modem access to the Provisioning On-Line System (POLS) this access will be at the contractor's expense. See para. C.21 for more information on On-Line Access.

f. The contractor shall maintain and continuously update the contractor's Data File with the Provisioning Technical Documentation (PTD) Reports (X40CXX6034R) which the government will provide periodically. These reports will contain Part Number Changes, Failure Factor changes, Source/Maintenance/Recoverability Code, changes and additions and/or deletions throughout the contract.

C.16 Logistics Management Information Products/Supplementary Provisioning Technical Documentation (SPTD)/Drawings
(DI-ALSS-81529 - CDRL A009) For guidance see Supplementary Provisioning Technical Documentation (SPTD) DI-V-7000A.

a. The contractor shall have available at each MPP Review one hard copy SPTD/drawing for each item on the PPL for the Government's review. These drawings shall include a parts list, detail and assembly drawings, interface control data, diagrams, performance characteristics and details of material for each Assembly, Sub-Assembly and Spare Part on the M872A4 Semitrailer.

(1) The drawings shall be in Provisioning List Item Sequence Number (PLISN) sequence.

(2) After the government approves each drawing as being suitable for NSN assignment, the drawings shall be submitted on a CD in Adobe Acrobat.pdf file, or some other software product format that the government agrees to, 30 days after completion of each MPP Review.

(3) Text on all drawings shall be in the English Language.

(4) The contractor shall have all approved vendor Commercial and Government Entity (CAGE) Code typed, stamped or written legibly with an authorized signature and date cited on all drawings.

(5) Substitutes for drawings, such as commercial catalogs or catalog descriptions, sketches or photographs with brief descriptions or dimensions, material, mechanical, electrical or other descriptive characteristics, do not apply. The contractor's use of such drawing substitutes is permitted only by exception, on a case by case basis, by the responsible Provisioning or Defense Logistics Information Service (DLIS) representative.

C.17 Special Equipment Tools and Test Equipment List (TTEL)
(DI-ILSS-80868(T) - CDRL A010) For guidance see DI-V-7007A.

The contractor shall prepare and deliver a TTEL listing those peculiar support items for the M872A4 Semitrailer that are not currently listed in the U.S. Army Supply Catalogs. A list of Supply Catalogs can be found in DA Pamphlet 25-30, Sec. 6. The TTEL List, with drawings shall be identified at the first MPP Review. After the government approves the contractor's TTEL, The contractor shall deliver the data concurrently with the first submittal of the LMI Data Product. Updates shall be provided with each subsequent delivery of the LMI Data Products. The contractor may use PPL LSA-036 summary format for all items during MPP reviews.

C.18 Logistics Management Information Summaries/Design Change Notice (DCN)
(DI-ALSS-81529 - CDRL A011) For guidance see DI-V-7009A.

The contractor shall submit a DCN for those design or part number changes which modify, add, delete or supersede any of the operating, maintenance or repair parts information that the contractor provided previously under this contract.

C.19 Logistics Management Information Summaries/Provisioning Parts List Index (PPLI)
(DI-ALSS-81529 - CDRL A012) For guidance see DI-V-7193.

The contractor shall provide a PPLI containing a listing by manufacturer's reference numbers of all items listed in the LMI Data Products, cross-referenced to each PLISN. The contractor may use LSA-151 Report format during MPP reviews.

C.20 Next Higher Assembly PLISNs and Overhaul Quantities

a. Next higher assembly (NHA) PLISNs and overhaul quantities (OVHL QTY) are used to identify and forecast repair parts requirements for all assemblies/subassemblies/components. OVHL QTY is the estimated number needed to support overhaul of 100 NHA.

b. The contractor shall enter with each LMI Data Product the NHA Genesis. The contractor shall identify, as a minimum the immediate NHA PLISN (Hardware), the NHA of the "XC" (LCN identification) and the End Item PLISN with the proper Indicator Code and overhaul quantities for each item identified as a NHA having a Source Code of "P". For non-"P" coded items only the NHA and Indicator Codes are required.

C.21 Contractor On-line Access

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a. The contractor may access the Provisioning On-line System (POLS) to make Provisioning Suspense File (PSF) corrections as an alternate to receiving validation reject reports from the government and making the corrections on a subsequent submittal by Magnetic tape/disc. The government shall provide Password and instructions for access by modem to the Provisioning On-Line System (POLS), if requested. (Any costs for modem access to the Provisioning On-Line System (POLS) will be at the contractor's expense)

b. Additional access may be provided for ease of processing LMI data.

c. As necessary, The government will discuss the procedures used to access POLS.

C.22 Publications Program

a. The publications program requires the contractor to provide a Technical Manual in Electronic Technical Manual (ETM) format. The Start Of Work Meeting and the MPP Reviews are used as forums to clarify any issues the contractor may have on the publication requirements under this contract. The contractor shall have a publications program which creates the required manuals that reflects all operating, maintenance procedures and repair parts required for the M872A4 Semitrailer. The TM code and TM series number will be provided at the Logistics Start of Work.

b. Preventive Maintenance Checks and Services (PMCS) The contractor shall review and establish PMCS in support of the TM 9-2330-359-14&P Technical Manual. The individual PMCS for the crew/operator and unit maintenance personnel shall be delivered as specified in the technical manual sections of this contract IAW MIL-STD-40051A and is subject to the Government's approval. Initial submission of PMCS may be in the form of the contractor's selection, with supporting artwork. Only approved PMCS shall be submitted. The current M872 Semitrailer from TM 9-2330-359-14&P PMCS will be provided to the contractor for the contractor's use as a baseline at the Start of Work.

c. Levels of maintenance shall be separated into individual sections. Initial set up sections and pages shall be added for each maintenance task that includes the following minimum data:

- (1) Equipment conditions
- (2) Materiel and parts
- (3) Special tools and TMDE
- (4) Technical manual references
- (5) Follow-on tasks

d. Technical Manual to be provided under this program is:

(1) Technical Manuals/Electronic Technical Manual (ETM) Operator/Unit/Direct/General Support Maintenance Manual that includes a Repair Parts and Special Tools List (RPSTL) TM9-2330-359-14&P (MIL-STD-40051A - CDRL A013)

(a) The contractor shall develop and deliver an ETM for the Operator's/Unit/Direct/General Support, TM 9-2330-359-14&P for the M872A4 Semitrailer. It shall include operation, and Unit, Direct and General Support maintenance and Repair Parts and Special Tools List (RPSTL). This ETM shall be developed and delivered as an "intelligent" linkable .pdf file. The contractor shall deliver all word processing files, i.e. MS Word for Windows or equivalent as well as CGM or TIFF illustration files used to generate the manual.

(b) The contractor is required to validate the accuracy and usability of all publication deliverables. The contractor shall have and use documented Quality Assurance (QA) processes and inspections in accordance with ANSI/ISO/ASQC Q9001. The government has the right to review validation records and witness validation processes. The government has the right to verify all publication deliverables. The government's reviews and verification may be done through statistical sampling and a mix of on-screen review and actual performance; but could include actual performance of all procedures and review of all screens, if deemed necessary by the government. The government does not intend to review and verify every screen at every review, but relies on complete, careful editing and review by the contractor. If there are indications that the contractor has performed incomplete or inadequate QA reviews, the government may elect to perform additional reviews and return products for rework.

(c) The government will provide the contractor with a hard copy of the latest edition of the M872 Semitrailer technical manual at the start of work meeting. This may be used as a baseline for the contractor's development of the new manual for the M872A4 Semitrailer required under this contract.

(d) A 3 digit code Technical Manual Designator shall be provided at the SOW meeting.

C.23 Technical Manual Validation

Validation The contractor shall conduct a data validation for the technical manual being created for the M872A4 Semitrailer.

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(1) The contractor shall demonstrate the contractor's process and controls to incorporate the new and changed operating and maintenance procedures and repair parts into the existing or new manual. The contractor remains responsible for the quality, adequacy of the data and adequacy of the manual. The government reserves the right to monitor the contractor's technical manual validation on the vehicle beginning six months after contract award.

(2) The government's acceptance of the manual during the validation process is contingent on the contractor demonstrating that the contractor's quality procedures were implemented and effective. The government reserves the right to conduct a separate verification program, if the technical manual contains errors, which exceed the stated objectives of the contractor's quality program.

(3) The contractor shall correct all errors the government discovers in the technical manuals during quality reviews at no additional cost to the government.

(4) The government will not conduct a separate hands-on government verification, which would duplicate the contractor's effort, unless the government decides to verify maintenance procedures unique to the M872A4. If the government decides to conduct a verification, it will be aimed at insuring the contractor's technical manual program procedures and methodology are adequate.

C.24 Commercial Off-the Shelf (COTS) Manuals/Interim Commercial Technical Manuals
(DI-TMSS-80527A - CDRL A014)

The government requires Interim Commercial Manuals to support the M872A4 Semitrailer from the start of Production Verification Test to the period when the ETM becomes available. These manuals shall be the contractor's standard manuals provided to the contractor's customers which describe operation and maintenance of the contractor's vehicles. The contractor shall also provide a listing of all spare parts/Bill of Material with art for all items used on the M872A4 Semitrailer.

C.25 Contractor Technical Assistance
(CLINS 0020, 0021, 0022, 0023, 0024)

a. Field Service Representative (FSR) The contractor shall provide FSRs who are thoroughly experienced and qualified to advise and make recommendations to orient and instruct key government personnel with respect to operation, maintenance, repair and contractor parts supply for the M872A4 Semitrailer and their components.

b. FSR Personal Data The contractor shall make available personal data related to the FSRs including documentary evidence such as birth certification and such evidence as is requested by the government's installation or area in which services are to be performed. The contractor shall request approval for each FSR and include a statement of qualification for each representative. Our approval shall be limited to granting or denying security clearance for the person(s) named.

c. Man-Days
(CLINS 0020AA, 0020AB, 0021AA, 0021AB, 0022AA, 0022AB, 0023AA, 0023AB, 0024AA, 0024AB)

The contractor shall provide up to 30 man-days of service at the government's discretion to locations in both CONUS and OCONUS, as the government may request. The contractor shall furnish Man-days of service. The government reserves the right to reduce the number of days of services to be furnished to the extent necessary to conform to the Government's requirements and shall be obligated to pay for only actual services used. Each reduction in quantity shall be at the Man-day rate established.

d. Transportation
(CLIN 0020AC, 0021AC, 0022AC, 0023AC, 0024AC)

(1) The Man-day rate is exclusive of transportation costs. The transportation costs incurred in carrying out the government's orders and directions shall be acceptable transportation costs which the government will reimburse.

(2) The Man-Day rate shall include local transportation in commuting to a base or job site, whenever such costs have been incurred by the individual as a result of an assignment where the government does not or cannot make available quarters and messing facilities at the installation where the services are being preformed. The contractor shall certify and invoice for the actual man-days/months services preformed and transportation costs incurred. The contractor shall forward these invoices and certifications to the Administrative Contracting Officer for verification of costs and payment. The contractor's invoices shall include travel changes and have attached all receipts for costs which the contractor is seeking reimbursement. The contractor shall assure all transportation of personnel under this provision is accomplished by the most economical means available consistent with providing timely FSR services. The Contracting officer or his authorized representative will notify the contractor at least 10 days in advance of CONUS travel and 20 days in advance of OCONUS travel of the date representative(s) are required. Instructions and established itineraries will be provided as necessary.

e. Contract Field Service Report/Field Service Representative (FSR) Reports
(DI-MGMT-81238(T) - CDRL A015)

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Each FSR shall prepare and deliver via e-mail a report within 10 working days following each assignment covering his activities.

f. Man-day of Service A Man-Day is 8 hours. The representative is to work no more than 8 hours per day, 40 hours per week. A Man-day of service includes any period during which the representative is delayed or prevented from performing any task only if the delay or non-performance is solely the Government's fault. Man-Day(s) of service includes travel time for initial travel from contractor's facility to site of work, for travel between sites of work, and to the contractor's facility. It also includes any time that the FSR is preparing required reports at the work site.

g. Man-day Cost Any costs incurred by the Field Service Representative (FSR) over and above those as recognized in the Joint Travel Regulation will not be reimbursed.

h. Saturday/Sunday When work is not performed on a Saturday/Sunday, and the representative is on site, a man-day shall be charged at the Saturday/Sunday man-day per diem rate only.

i. Holidays The government will pay for official U.S. holidays in addition to the actual days worked. The government is not responsible for vacation and other holidays and sick leave pay. The government is responsible for actual days worked by any qualified contractor representative. It is immaterial whether the same representative completes the assignment. The government shall be responsible for only one complete round-trip transportation and travel costs between sites of work per assignment.

QUALITY, INSPECTION, TEST AND ACCEPTANCE

C.26 Quality Program

a. The contractor shall implement and maintain a quality system that ensures the functional and physical conformity of all products or services that furnished under this contract. The contractor's quality system shall achieve defect prevention and process control, providing adequate quality controls throughout all areas of contract performance.

b. The contractor's quality system may be based on international quality standards such as the ISO 9000 series, military, commercial or national quality standards.

c. At any point during contract performance, The government has the right to review the contractor's quality system to assess its effectiveness in meeting contractual requirements.

C.27 In-Process Inspection

The contractor shall identify and establish in-process inspection points and inspections where the absence of such inspections could adversely affect quality. These inspections shall evaluate the conformance of materials, welding, workmanship and processes to contractual and vehicle Purchase Description (Attachment 001) requirements. The government reserves the right to either witness or conduct its own in-process inspection. All in-process inspections conducted during fabrication shall be made at the contractors or subcontractor's facilities prior to the application of primer or paint.

C.28 Inspection Equipment

The contractor shall be responsible for supplying and maintaining all inspection and test equipment necessary to assure the vehicle system and components conform to contract requirements. All inspection equipment shall be available for use at the start of production. The contractor shall make available to the government applicable and necessary inspection equipment for use during vehicle system inspection. The government will return all inspection equipment upon completion of inspection. The contractor shall apply best commercial practice to maintain the contractor's inspection and test equipment used in the inspection of the vehicle systems.

C.29 Inspection Records

The contractor shall maintain and make available to the government all records of examinations and tests performed on material used to produce each vehicle system. This documentation shall describe deficiencies found during inspection and all corrective action undertaken to correct these deficiencies. These records shall be maintained for a period of four years following completion of the contract.

C.30 Drawings For Inspection

When requested by the Government, the contractor shall provide legible drawings to which each semitrailer was built to. These drawings shall be to the contractor's latest manufacturing revision. After the government completes the production inspections and acceptance, the drawings will be returned to the contractor.

C.31 Shakedown Test

Prior to Production Verification Testing, the contractor shall conduct a Shakedown Test. The contractor shall submit the

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proposed test site and test plan to the government for approval 30 days prior to the start of the test. The test mission profile and mileage for one vehicle with full payload (ISO containers/dummy payload) to be towed by a M915A2, M915A3, M915A4, or a comparably equipped commercial line haul tractor.

	Mission Profile (in Miles)	
	<u>Secondary Road</u>	<u>Trail</u>
M872A4 Semitrailer	750	250

a. Shakedown Test Report The contractor shall prepare a shakedown test report at the completion of the test. The test report shall be in sufficient detail for separate formulation of conclusion by interested parties not witnessing the test/ inspection. The contractor shall record deficiencies as informational, minor, major and critical, as will as corrective actions taken or proposed. The final report shall be maintained at the contractor's facility.

b. Shakedown Test Failure Failure of the Shakedown Test vehicle to meet any contractual requirement, specification requirement, design, welding or workmanship requirement shall be cause for rejection of the Shakedown Test Vehicle. Correction of deficiencies shall be accomplished by the contractor at no cost to the government on all vehicles produced under the contract. In the event of a Shakedown Test failure, the contractor may be required at the government's option, to repeat any or the entire Shakedown Test. Any deficiencies found as a result of the Shakedown Test shall be prima facie evidence that all vehicles are similarly deficient, unless evidence to the contrary is furnished by the contractor and such evidence is acceptable to the Contracting Officer. The contractor shall allow the Government the right to witness any part (including all) of the M872A4 1000 mile Shakedown Test. This includes contractor inspection of the M872A4 Shakedown Test vehicle.

C.32 First Production Vehicle Inspection (FPVI)

The contractor shall perform a First Production Vehicle Inspection using the clauses contained in this contract. At least 30 calendar days prior to submission of the First Production Vehicles for inspection, the contractor shall furnish written notice to the Administrating Contracting Officer, Procuring Contracting Officer and the Product Quality Manager of the time and location of the inspection so the government may witness and participate in the inspection. The contractor shall make available to the government any record of inspections and tests which have been conducted on the FPVI vehicles and their components.

a. FPVI Report The contractor shall prepare a FPVI test report at completion of FPVI. The test report shall be in sufficient detail for separate formulation of conclusions by interested parties not witnessing the test/inspection. The report shall address deficiencies discovered and corrective actions taken.

b. FPVI Approval The Contracting Officer shall, by written notice to the contractor within 20 calendar days after receipt of the inspection reports, approve, conditionally approve or reject the FPVI report. The notice of final approval or conditional approval will not relieve the contractor from complying with all requirements of the Vehicle Purchase Description (Attachment 001) and all other terms and conditions of this contract. A notice of conditional approval will state any further action required of the contractor. A notice of rejection shall cite the reasons for the failure.

c. FPVI Re-Inspection If the government rejects the FPVI, the contractor may be required at the government's option to repeat any or all tests that are applicable. After notification of the additional inspection, the contractor shall make any necessary changes, modifications or repairs to the semitrailers. The government has the option to select another production vehicle for test in lieu of the original semitrailer. Upon completion of additional inspection(s), the contractor shall again submit an addendum report. The contractor shall bear all costs related to additional test and responsibility for delays.

d. FPVI Vehicle Standard After completion of each FPVI, the vehicle shall be restored to a like new condition at the contractor's expense. The First Production Vehicle shall then be retained as the manufacturing standard vehicle until completion of the contract and will be submitted as the last unit to be delivered under the contract. All configuration changes as a result of drawing and/or specification modifications taking place after the FPVI shall be made to the First Production Vehicle so these vehicles are representative of the current configuration throughout the life of the contract.

C.33 Vehicle Restoration Upon completion of the Shakedown Test, Product Verification Test, and Follow On Production Test the contractor shall restore these vehicles to a like new condition at no cost to the government. The contractor shall be responsible for round trip transportation costs for these test vehicles.

C.34 Failure Analysis And Corrective Action Report (FACAR)
(DI-RELI-81315 - CDRL A016)

The contractor shall be responsible for accessing Yuma Proving Grounds computer data bases for all Test Incident Report data during Production Verification and Follow On Production Tests. Upon acquiring a Test Incident Report (TIR), the contractor shall assess the failure and shall furnish a Failure Analysis and Corrective Action Report with the proposed corrective action for each reported TIR. The FACAR shall indicate corrective action status as "final" or "interim."

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a. FACAR Interim Response Times The contractor shall provide interim failure analysis and corrective action responses after notification within the following times:

- (1) Critical Defect - 48 hours
- (2) Major Defect - 7 days
- (3) Minor Defect - 30 days No interim response required.
- (4) Informational - 30 days, if requested

b. FACAR Final Response Times A consolidated final response is required for all defects (Critical, Major and Minor) within thirty (30) calendar days after completion of testing. If the contractor's response is rejected, the contractor will be officially notified and shall be required to resubmit the response within thirty (30) calendar days. Failure to provide the interim and final failure analysis/corrective action reports within the specified time limits or failure to provide the Government an acceptable response shall be cause for the reduction or suspension of the government provided progress payments and/or suspension of vehicle acceptance.

C.35 Welding Requirements The welding procedures and the welder qualification shall be in accordance with AWS D1.1,AWS D1.2 and AWS B2.1.

C.36 Counterfeit Parts The contractor shall establish, implement and maintain documented procedures which shall identify and preclude the use of counterfeit parts in production and shall impose similar requirements on subcontractors.

CONFERENCES

C.37 Start of Work (SOW) Meeting

a. The contractor shall host a Start of Work (SOW) meeting within 30 days after contract award at the contractor's facility. Arrangement for this meeting shall be made between the contractor and the ACO who will coordinate with the PCO. The primary purpose of the meeting is for the contractor to brief the contract performance plan (both hardware and data items) and provide a forum for the government to answer questions concerning specific requirements. The contractor shall submit a list of questions to the PCO 15 days prior to the SOW meeting. This list of questions will serve as agenda items to be discussed during the SOW meeting.

b. Integrated Logistics Support (ILS) The contractor's presentation for ILS shall contain a detailed description of the procedures, actions, events and organization the contractor intends to employ to accomplish the ILS program, such as, Design Influence and Integration, Maintenance Planning, Supply Support Planning (including provisioning, Support Equipment, Test Equipment, TMDE Planning, Training, Technical Manuals development, Packaging, ECP & DCN processing and the contractor's Quality Management program). The contractor shall identify personnel assigned logistics responsibilities and establish milestones for executing the ILS program. The contractor shall also describe the contractor's processes that will be employed in planning, developing and acquiring the logistics resources required for test support and operational support at all specified maintenance levels.

c. Engineering, Configuration Management and Quality. The contractor's presentation for engineering items, configuration management and quality shall contain a detailed description of the procedures, actions, events and organization the contractor intends to employ to accomplish the mission.

C.38 Maintenance, Provisioning and Publication (MPP) Reviews

a. The initial MPP Review of documentation shall be held on or about 60 days after contract award (see Attachment 004). Subsequent reviews shall be held approximately every 45 days, as necessary, until all required data is approved and LMI Data Products information is entered into the Provisioning Master Record (PMR) including all data covering any configuration or part number changes, updates or deletes (DCNs).

b. The contractor's Logistics Management Information (LMI) Data Products & Summaries will be reviewed by the government's MPP Review Team for accuracy and completeness. The contractor shall have available supportive material and maintenance rationale for all LMI data presented for the Government's review. These MPP Reviews shall be held alternately at the government's facility in Warren, MI and the contractor's facility. When the reviews are at the contractor's facility, the contractor shall provide a meeting place, administrative support, office equipment and clerical support as required.

C.39 Formal Program Status Reviews

The contractor shall prepare and present Program Reviews to be held approximately every 6 months alternately at the contractor's and the Government's Warren, MI facility. The topics shall include, but are not limited to the following: work effort status, logistics, engineering, schedule, test progress, quality and corrective actions. The contractor shall prepare meeting minutes and include identification of items requiring specific actions, response dates and responsible organization. Other government agencies and contractors may be in attendance.

C.40 Conference Agenda
(DI-ADMIN-81249A - CDRL A017)

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The contractor shall prepare conference agendas prior to the Start of Work (SOW) and all MPP Reviews. The agendas will be comprised of topics mutually agreed to by the participating parties and shall be submitted at least 10 days prior to the start of the meeting/conference.

C.41 Conference Minutes
(DI-ADMN-81250A - CDRL A018)

The contractor shall prepare minutes of meetings for the Start of Work, MPP Reviews, Semi-annual Program Reviews and special meetings for which an agenda has been developed

C.42 Equipment Control Record, DA Form 2408-9

The contractor shall submit the Form 2408-9 for each vehicle IAW DA-PAM 738-75 and make distribution as follows:

- a. Add the number 3 copy of DA Form 2408-9 in the vehicle log book binder with each vehicle shipment.
- b. Send the number 1 copy of the 2408-9 to: CDR, USALOGS, ATTN: AMXLS-RR, Redstone Arsenal, AL 35898-7466.
- c. The number 2 copy of the 2408-9 shall be sent to: USATACOM, ATTN: AMSTA-LC-CHHM, Warren, MI 48397-5000.

Bulk shipments of monthly production is acceptable.

C.43 Logistics Management Information (LMI) Summaries/Warranty Performance Report
(DI-ALSS-81530 - CDRL A019)

The contractor shall submit a warranty report in the contractor's format which describes the summary of warranty activity for six month periods and provides data indicating the part number involved, nomenclature, short description of the problem, number of claims in descending order and costs.

C.44 Transportability Report
(DI-PACK-80880A - CDRL A020)

a. The contractor shall submit a Transportability Report which includes data on recommended procedures for positioning and securing the M872A4 Semitrailer for transport by trailer and rail car, slinging and lifting the vehicles, and procedures, man-hours and all tools required for any disassembly necessary for shipment by highway, rail, marine and air.

C.45 Air Transportability Report
(DI-PACK-80932 - CDRL A021)

The contractor shall complete the Vehicle Data Sheet shown in Attachment 003.

C.46 Bulkhead for Independent Testing

The contractor shall ship one M872A4 production representative bulkhead to the government designated independent testing lab.

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QUALITY, INSPECTION AND ACCEPTANCE

QUALITY REQUIREMENTS

- 1 FAR Clause 52.246-16, Responsibility for supplies
- 2 Far Clause 52.246-2, Inspection of Supplies-Fixed Price
- 3 Intentionally left blank.
- 4 Production Verification Test (PVT)

The government shall select the following number of vehicles, out of the first three (3) produced, excluding the shakedown and FPVI vehicles. The vehicles selected shall be subjected to tests as cited in the Vehicles Purchase Description (Attachment 001). The government shall conduct the test at the Yuma Test Center, Yuma Proving Ground, AZ. The contractor shall ship three of the vehicles to YPG. Two vehicles will be used for reliability and maintainability (R/M)and one for performance test. The government will not begin PVT until FPVI and Shakedown Tests have been successfully completed and report approved.

PRODUCTION VERIFICATION TEST
R/M TESTING PERFORMANCE

M872A4 Semitrailer 2 1

- 5 PVT Result Notification

The government will notify the contractor within 180 days after receipt of the test vehicles indicating that the government approves, conditionally approves or rejects the PVT. The notice of approval or conditional approval shall not relieve the contractor from complying with all the requirements of the Purchase Description (Attachment 001) and all other terms and conditions of this contract. A notice of conditional approval shall state any further action required. A notice of disapproval shall cite reasons for disapproval. If the government rejects the PVT, the test vehicles are rejected until evidence is provided that corrective action has been taken to eliminate the defect(s). In the event of a PVT failure, the contractor may be required at the government's option to repeat any or all of the testing. Any defect found shall be prima facie evidence that all items produced prior to testing are similarly deficient. The contractor shall correct all defects at the contractor's expense. The Contractor shall be responsible for all shipping costs that result of PVT.

- 6 Engineering Change Inspection and Test

The contractor shall not make any change(s) to any vehicle system or component part after acceptance of the PVT unless the change(s) are approved through the Engineering Change Proposal (ECP) process.

a. The government reserves the right to inspect the vehicle systems or components at the contractor's expense in order to determine whether changed submitted by ECP (form, fit and function) should be approved. Any production or delivery delays caused by the Government's re-inspection will not be considered an "excusable delay" for default purposes.

b. The government reserves the right to conduct additional testing at the contractor's expense if the government believes any proposed engineering change may have a potential negative impact on the ability of the vehicle to meet the requirements of the vehicle performance specification.

- 7 Follow on Production Test (FOT)

a. The government reserves the right to conduct a Follow On Production Test at a Government Proving Ground. The government shall select one (1) vehicle at the government's discretion from the production quantity. The FOT may be conducted for each production year.

b. Failure of the FOT vehicle shall be cause for test failure until the contractor provides evidence that corrective action has been taken to eliminate any deficiency. Any deficiency found during or as a result of FOT shall be prima facie evidence that all vehicles produced under this contract are similarly deficient. Any vehicle failure discovered during testing is considered to apply to all vehicles.

c. In the event of vehicle failure, the government reserves the right to retest the vehicle after all defects are corrected. The contractor shall bear the responsibility for delays in the program test period resulting from vehicle defects or failure to furnish timely parts support. The government shall have the right to extend FOT testing for the contractor's induced delay. The contractor shall be responsible for all costs associated with retest of FOT.

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8 Contractor Support for Government Tests The contractor shall furnish, within 48 hours, repair parts for failed components on both PVT and FOT vehicles at the selected Government Proving Ground.

9 Control Tests

The government shall select, at random, one of each 50 vehicles produced or one from each month's production for a control test. The vehicle selected shall be operated for a distance of not less than 50 miles by the contractor. The vehicle shall be completely assembled and serviced. The test course shall be selected by the contractor and shall be smooth level hard surface roads. The vehicle shall be at the maximum (dummy)payload or maximum gross combined vehicle weight allowed for the state where the test is to be conducted. All operational components and assemblies shall be tested and results documented.

10 Control Test Failure If the vehicle selected fails to pass any of the control tests, the Government inspector shall stop acceptance and testing of subsequent vehicles until such time as conditions causing the failure have been corrected. If the deficiency is design in nature, all models shall be considered similarly effected. All defects found during testing shall be prima facie evidence that all vehicles accepted subsequent to the previous acceptable control test vehicle are similarly defective unless evidence satisfactory to the contracting officer is provided by the contractor that they are not similarly deficient. Such defects shall be corrected by the contractor at no cost to the government. Another vehicle, of the same model, with corrective actions applied shall be subjected to the control test.

11 Change of Suppliers If the contractor elects to change sources of supply for any vehicle component after conditional acceptance of the vehicle configuration, the government reserves the right to conduct additional inspections prior to acceptance of any item contained in the new component. The contractor shall be responsible for costs of inspection and test to assure the components meet specification criteria. Any production or delivery delays caused by the additional inspection/testing shall not be considered "excusable delays" for default purposes.

12 Certifications All certifications provided by the contractor shall include appropriate supporting documentation such as, but not limited to; test data, material analysis, drawings, purchase orders, specifications, etc. In the event that particular certifications are not acceptable to the government, the contractor shall conduct additional examinations and tests and/or provide additional documentation as required to verify conformance at no additional cost to the government.

- a. The contractor shall provide a new or updated certification whenever a change is made in the:
 - (1) Process used to provide a certified product.
 - (2) Legal requirement for a standard of a certified product.
 - (3) Supplier of a certified product.
 - (4) Event of a new contract/rebuy.
- b. Subcontracting does not relieve the contractor from providing all the necessary supporting documentation for all certifications provided to the government.

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CONTRACTOR RESPONSIBILITY FOR AR 700-142 MATERIAL RELEASE COMPLIANCE

- a. Contractors need to be aware that TACOM must meet the requirements of AR 700-142 and obtain formal "Material Release" prior to introducing a new item for use by active Army units, and that the end item required hereunder qualifies as a "new item". In addition to the actual test items provided by contractors to demonstrate operational performance, there are significant information requirements as called out in this contract that are needed to support the AR 700-142 Material Release. Contractors should familiarize themselves with the relationship between the information requirements of the contract and the requirements for a material release. A significant, critical part of the support for the material release is based on data and information provided under this contract.
- b. Contractors play a crucial role in a successful material release by providing accurate and timely data and information allowing TACOM to prepare a material release package that will satisfy the detailed requirements of AR 700-142. The Government has allowed in the contract schedule for data sufficient time to prepare the necessary documents and obtain a full release prior to fielding of contractually required hardware to field units.
- c. Failure to provide accurate and timely data as required by the contract causes the Army significant harm, both operationally and financially. Failure to provide the needed capability damages the Army's ability to perform its mission, and causes financial loss because of disrupted training schedules and storage costs due to inability to field.
- d. The Contractor is hereby advised that failure to provide timely and accurate information and hardware as required by the contract which is necessary for the material release process may be cause for refusal of acceptance of hardware end items required hereunder. The Government will assume no liability for any costs associated with such refusal. Acceptance of hardware end items will not proceed until the contractor fully complies with all data requirements under the contract necessary to complete a full AR 700-142 Material Release. Furthermore, any contractually authorized or other delay in delivery of data and information will be accompanied by a corresponding delay, at the Government's option, in delivery of hardware items, such that the interval between the delivery of data and information and the hardware end item is maintained as originally written.

OPTION FOR TECHNICAL MANUAL VALIDATION AND VERIFICATION/LOGDEMO

In accordance with clause C.23, the Government shall have the unilateral right to exerceize the option for the Technical Manual Validation and Verification/LOGDEMO. This option shall be excercisable within anytime during the first 24 months of contract award.

*** END OF NARRATIVE I 001 ***